

This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C., November 30, 1915.

MONTHLY LIST OF PUBLICATIONS.

[NOVEMBER, 1915.]

HOW TO SECURE PUBLICATIONS.

A copy of any of the publications listed herein, including those with price named, except the Journal of Agricultural Research, Experiment Station Record, and publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

Instead of writing a letter, applicants may return this list with an "X" plainly marked on the left-hand margin opposite the publication desired, and with name and address plainly written at top or end of list.

After this department's supply of the publications listed below is exhausted, these publications of which the price is indicated can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

SPECIAL NOTICE.

An increasing number of requests for publications are being received daily in this division with incomplete addresses. Many correspondents fail to sign their names. Some do not give post-office address. Persons living in large cities fail to furnish the street address; and some give as the post-office address the name of an office that has been discontinued for years. The department is unable to handle correspondence unless the signature is legible and the post-office address given in full, with street number or rural route number, as the case may be. Correspondents are therefore earnestly requested to see that the complete address is given in all communications addressed to this department.

REPORTS.

Field Operations of the Bureau of Soils, 1912. (Fourteenth Report.) By Milton Whitney, Chief. With accompanying papers by assistants in charge of field parties. Pp. 2166, pls. 35, figs. 56, maps 53 (in case). Price, \$6.00.

For distribution also by Senators, Representatives, and Delegates in Congress.

SERIALS.

Journal of Agricultural Research. (Issued weekly.)

Vol. 5, No. 5. November 1, 1915. Contents: Some Potato Tuber-Rots Caused by Species of *Fusarium*. By C. W. Carpenter.—Infection Experiments with Timothy Rust. By E. C. Stackman and Louise Jensen. Pp. 183-216, pls. A, B, XIV-XIX. Price, 10 cents.

Same, No. 6. November 8, 1915. Contents: Experiments in the use of Current Meters in Irrigation Canals. By S. T. Harding.—Relation of Sulphur Compounds to Plant Nutrition. By E. B. Hart and W. E. Tottingham.—Distribution of the Virus of the Mosaic Disease in Capsules, Filaments, Anthers, and Pistils of Affected Tobacco Plants. By H. A. Allard.—Dissemination of Bacterial Wilt of Cucurbits. By Frederick V. Rand. Pp. 217-260, pls. XX-XXIV. Price, 10 cents.

Journal of Agricultural Research—Continued.

Vol. 5, No. 7, November 15, 1915. Contents: Gossypol, the Toxic Substance in Cottonseed Meal. By W. A. Withers and F. A. Carruth.—Two New Hosts for *Peridermium pyrifforme*. By William H. Long.—Pathogenicity and Identity of *Sclerotinia libertiana* and *Sclerotinia smilacina* on Ginseng. By J. Rosenbaum. Ph. 261-298, pls. XXV-XXIX, fig. 1. Price, 10 cents.

Same, No. 8. November 22, 1915. Contents: An Improved Respiration Calorimeter for Use in Experiments with Man. By C. F. Langworthy and R. D. Milner.—Occurrence of Manganese in Wheat. By William P. Headden. Pp. 299-355, pls. XXX-XXXVI. Price, 10 cents.

Same, No. 9. November 29, 1915. Contents: Ash Composition of Upland Rice at Various Stages of Growth. By P. L. Gile and J. O. Carrero.—Varietal Resistance of Plums to Brown-Rot. By W. D. Valleau.—Frequency of Occurrence of Tumors in the Domestic Fowl. By Maynie R. Curtis. Pp. 357-404, pls. XXXVII-XXXIX. Price, 10 cents.

NOTE.—Beginning with Volume 5, THE JOURNAL OF AGRICULTURAL RESEARCH will be issued weekly and distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$3.00 per year, 52 numbers.

Experiment Station Record, Vol. XXXIII, No. 6, Abstract Number. E. W. Allen, Ph. D., Editor. Pp. 501-600. Price, 15 cents.

NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, ten numbers each, at \$1 a volume.

The Monthly Crop Report. Vol. 1, No. 7, Nov. 13, 1915. Pp. 65-76. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices and value of crops and live stock.

SERVICE AND REGULATORY ANNOUNCEMENTS.

These contain *only* information, instructions, and notices governing the enforcement of the pure food and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at 5 cents per copy.

Bureau of Animal Industry. Oct., 1915. No. 102. Pp. 113-120. Nov. 26, 1915. Price, 5 cents.

Bureau of Chemistry. No. 15. Pp. 21-24. Nov. 4, 1915. Price, 5 cents.

Federal Horticultural Board. No. 20. Sept., 1915. Pp. 59-79. Oct. 30, 1915. Price, 5 cents.

Insecticide and Fungicide Board. No. 11. Pp. 53-89. Nov. 24, 1915. Price, 5 cents.

SOIL SURVEYS.

Soil Survey of Bryan County, Oklahoma. By William T. Carter, Jr., and A. L. Patrick. Pp. 52, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Soil Survey of Jefferson County, Texas. By William T. Carter, Jr., L. R. Schoenmann, T. M. Bushnell, and E. T. Maxon. Pp. 47, pls. 3, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.

Soil Survey of Stevens County, Washington. By Cornelius Van Duyne, of the U. S. Department of Agriculture, and Fred W. Ashton, of the Washington Geological Survey. Pp. 137, pls. 5, figs. 5, map. (From F. O. Soils, 1913.) Price, 25 cents.

BULLETINS.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. As long as the department's supply lasts, these bulletins will be supplied free to persons who can use such specialized information. See instructions on page 1.

The Dog as a Carrier of Parasites and Disease. By Maurice C. Hall, Ph. D., Assistant Zoologist, Zoological Division. Pp. 27, figs. 13. Contribution from the Bureau of Animal Industry. Nov. 23, 1915. (Department Bulletin 260.) Price, 5 cents.

Points out the increasing damage done by the stray and uncared-for dog as a carrier of parasites and disease germs harmful to both man and live stock, and is especially intended for the use of physicians, veterinarians, and health officers.

Excavating Machinery Used In Land Drainage. By D. L. Yarnell, Drainage Engineer. Pp. 39, pls. 9. Contribution from the Office of Public Roads and Rural Engineering. (Professional Paper.) Nov. 10, 1915. (Department Bulletin 300.) Price, 15 cents.

Of interest to those who have to do with the installation of systems of drainage; it is suitable for distribution in the eastern part of the United States.

Land Drainage By Means of Pumps. By S. M. Woodward, Drainage Engineer. Revised with Special Reference to the Upper Mississippi Valley, by C. W. Okey, Senior Drainage Engineer. Pp. 60, pls. 8, figs. 3. Contribution from the Office of Public Roads and Rural Engineering. (Professional Paper.) Nov. 19, 1915. (Department Bulletin 304.) Price, 15 cents.

Treats in general of the drainage of land which lies so low that it must be protected from overflow by levees and the drainage water pumped out of the protected area owing to lack of gravity outlet. Has special reference to low-lying bottom lands along the larger streams of the upper Mississippi Valley.

Exercises With Plants and Animals for Southern Rural Schools. By E. A. Miller, Specialist in Agricultural Education. Pp. 63, pls. 5. Contribution from the States Relations Service. (Professional Paper.) Nov. 11, 1915. (Department Bulletin 305.) Price, 15 cents.

Intended especially for the use of rural school teachers in the Southern States.

Shortleaf Pine: Its Economic Importance and Forest Management. By Wilbur R. Mattoon, Forest Examiner. Pp. 67, pls. 10, figs. 4. Contribution from the Forest Service. (Professional Paper.) Nov. 22, 1915. (Department Bulletin 308.) Price, 15 cents.

Is of value to those who are interested in the timber supply of the Eastern and Southern States and in the management of tracts of shortleaf pine for their highest financial returns. It will be helpful to those in the regions covered desiring to restock denuded pine uplands by means of sowing and planting.

Zacaton as a Paper-Making Material. By Charles J. Brand, in Charge, and Jason L. Merrill, Assistant Chemist, Paper-Plant Investigations. Pp. 28, figs. 13. Contribution from the Bureau of Plant Industry. (Professional Paper.) Nov. 4, 1915. (Department Bulletin 309.) Price, 5 cents.

Should be useful to all persons who are interested in the economic phases of paper making, especially to print and book-paper manufacturers. It has a botanic and chemical interest as well. Not for general distribution.

Digestibility of Some Animal Fats. By C. F. Langworthy, Chief, and A. D. Holmes, Scientific Assistant, Office of Home Economics. Pp. 23. Contribution from the States Relations Service. (Professional Paper.) Nov. 9, 1915. (Department Bulletin 310.) Price, 5 cents.

Record studies of the digestibility and melting point of lard, beef fat, mutton fat, and butter, and is primarily of interest to students and investigators of food problems.

The Handling and Marketing of the Arizona-Egyptian Cotton of the Salt River Valley. By J. G. Martin, Investigator in Cotton Marketing. Pp. 16, pls. 3. Contribution from the Office of Markets and Rural Organization. Nov. 26, 1915. (Department Bulletin 311.) Price, 5 cents.

Should be of interest to growers in Arizona and in California, to dealers in Yazoo and Mississippi Delta cotton, to spinners in New England and the Carolinas, and to spinners of fine yarn in England and on the Continent.

Phosphate Rock and Methods Proposed for Its Utilization As a Fertilizer. By William H. Waggaman and William H. Fry. Pp. 37. Contribution from the Bureau of Soils. (Professional Paper.) Nov. 5, 1915. (Department Bulletin 312.) Price, 5 cents.

Technical in character and not suitable for miscellaneous distribution.

Features of the Sheep Industries of United States, New Zealand, and Australia Compared. By F. R. Marshall, Senior Animal Husbandman in Sheep and Goat Investigations, Animal Husbandry Division. Pp. 35, pls. 8. Contribution from the Bureau of Animal Industry. Nov. 13, 1915. (Department Bulletin 313.) Price, 10 cents.

Of interest to sheep raisers and wool buyers generally.

The Bonavist, Lablab, or Hyacinth Bean. By C. V. Piper, Agrostologist in Charge, and W. J. Morse, Scientific Assistant, Forage-Crop Investigations. Pp. 15, pls. 2. Contribution from the Bureau of Plant Industry. (Professional Paper.) Nov. 18, 1915. (Department Bulletin 318.) Price, 5 cents.

Gives description, characteristics, food value, and drought resistant qualities of this bean. Especially adapted to the Southern and Southwestern states.

Honeybees: Wintering, Yields, Imports, and Exports of Honey. By Samuel A. Jones, Chief, Division of Crop Reports. Pp. 12, Contribution from the Bureau of Crop Estimates. Nov. 26, 1915. (Department Bulletin 325.) Price, 5 cents.

Will be found of interest to beekeepers and dealers in bee products.

MISCELLANEOUS.

Blackleg: Its Nature, Cause, and Prevention. By Victor A. Nørgaard, V. S. (Copenhagen). Revised by John R. Mohler, V. M. D., Assistant Chief of the Bureau. Pp. 22. Nov. 8, 1915. (Circular 31, Bureau of Animal Industry. Sixth Revision.) Price, 5 cents.

Revision of the Pocket Gophers of the Genus *Thomomys*. By Vernon Bailey. Pp. 136, pls. 8, figs. 10. Nov. 15, 1915. (North American Fauna No. 39.) Price, 25 cents.

Not available for free distribution.

Inventory of Seeds and Plants Imported by the Office of Foreign Seed and Plant Introduction During the Period from April 1 to June 30, 1913. Pp. 69, pls. 8. Nov. 9, 1915. (Bureau of Plant Industry Inventory No. 35. Nos. 35136 to 35666.) Price, 10 cents.

Establishing the Swine Industry on the North Platte Reclamation Project. By Charles S. Jones, Assistant. With an introduction by F. D. Farrell, Agriculturist in Charge. Pp. 26, figs. 5. Nov. 6, 1915. (Bureau of Plant Industry.) Price, 5 cents.

Of interest generally to farmers on all irrigation projects.

Work of the Office of Markets and Rural Organization. By Charles J. Brand, Chief. Pp. 16. Revised Edition. Nov. 27, 1915. (Document 1, Markets.)

Index to Volume 2, Weekly News Letter. August 12, 1914–August 4, 1915. Pp. 17.

FARMERS' BULLETINS.

No price is quoted for Farmers' Bulletins for the reason that the department's supply of the current numbers is ordinarily sufficient to make it possible to send them free to all applicants.

Fleas as Pests to Man and Animals, With Suggestions for Their Control. By F. C. Bishopp, Entomological Assistant, Southern Field Crop Insect Investigations. Pp. 15, figs. 6. Contribution from the Bureau of Entomology. Nov. 8, 1915. (Farmers' Bulletin 683.)

For general distribution.

Handling and Shipping Citrus Fruits in the Gulf States. By H. J. Ramsey, Pomologist in Charge of Fruit Handling and Storage Investigations. Pp. 28, figs. 10. Contribution from the Bureau of Plant Industry. Nov. 10, 1915. (Farmers' Bulletin 696.)

Of especial interest to citrus fruit growers in all sections.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

National Weather and Crop Bulletin, No. 30, October, 1915, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Wednesday, April to October; monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,

Editor and Chief Division of Publications.